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Conference Abstract

The European Journal of Taxonomy: Enhancing taxonomic publications for dynamic data exchange and navigation

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Abstract

The European Journal of Taxonomy (EJT) was initiated by a consortium of European natural history publishers to take advantage of the shift from paper to electronic-only publishing (Benichou et al. 2011). Whilst originally publishing in PDF format has been considered the state of the art, it became recently obvious that complementary dissemination channels help to disseminate taxonomic data - one of the pillars of Natural History institutions research - more widely and efficiently (Côtez et al. 2018). The adoption of semantic markup and assignment of persistent identifiers for content allow more comprehensive citations of the article, including elements therein, such as images, taxonomic treatments, and materials citation. It also allows more in-depth analyses and visualization of the contribution of collections, authors, or specimens to taxonomic output and third parties, such as the Global Biodiversity Information Facility, for reuse of the data or building the catalogue of life.

In this presentation, EJT will be used to outline the nature of natural history publishers and their technical set up. This is followed by a description of the post-publishing workflow using the Plazi workflow and dissemination via the Biodiversity Literature Repository (BLR) and TreatmentBank. It outlines switching the publishing workflow to an increased use of

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extended markup language (XML) and visualization of the output and concludes by publishing guidelines that enable more efficient text and data mining of the content of taxonomic publications.

Keywords

Publishing Workflow, diamond open access, FAIR access, XML

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